

Serial No.: 10/600,752
Atty. Docket No.: P68705US0

IN THE SPECIFICATION:

On page 9, please amend the first full paragraph beginning on line 4, as follows:

--The selection of the filter colors according to the present invention takes into account that the human eye has its greatest sensitivity in the visual spectrum at approximately 555nm. As representatively shown in Figure 2, high transmission in the yellow filter 20 may begin at approximately 510nm, with a preferred peak of about 555nm. This near-matching of the yellow filter to the most light-sensitive cones heightens the conflict with what is seen by the green-light-filtered, better-acuity eye. The green filter high transmission 22 begins at about 470nm, with an optimal peak of approximately 500nm. With both lenses within these high transmission zones defining a hetero-chromic zone of functionality 24, there is no subjective color "mix" or "yellowing". In addition, photon sensitivity 26 is maximized in the yellow filter, while greater differentiation is obtained due to the increased scattering effect 28 that is present in the shorter green wavelengths. Suggested evidence of this is that Short Wavelength Filters (SWAF-'Blue-Blockers') significantly lowered the performance of color-normal observers (Farnsworth Dichotomous Test). In addition, iso-chromic filtration of light

Serial No.: 10/600,752
Atty. Docket No.: P68705US0

does not have the 'provoking' effect of hetero-chromic
filtration.--

On page 14, please amend the second paragraph as
follows:

--It was felt that if the peak or high transmission
nanometer areas of both the green and yellow filters were
relatively close (within the visible spectrum), there would be
less potential to disrupt binocularity and the 'harlequin'
appearance would be less cosmetically objectionable.
Spectrophorometry transmission curves for such green and yellow
dyes are depicted in Figures 3 and 4, respectively, and show that
transmission greater than about 60 percent begins at
approximately 470nm for the green filter and at approximately
500nm for the yellow filter. Representative coloring agents
include Green Dye C200-70 and Yellow Dye C200-61 from Phantom
Research Labs. BPI also has dyes with similar characteristics
(BPI Green Pill and BPI Winter Sun).--